

MSDS# A011

MATERIAL SAFETY DATA SHEET

MAR 3 11.3.125.1v1
03/18/89

***** SECTION 1 - IDENTIFICATION *****

IDENTITY: VALVE ACTION PAINT MARKER - ALL COLORS

MANUFACTURER

EMERGENCY TELEPHONE NO. 312-826-1700

MARKAL COMPANY

INFORMATION TELEPHONE NO. 312-826-1700

250 N. WASHTENAW AVE.

DATE PREPARED 3/18/89

CHICAGO, IL, 60612

LABELING

HMIS: 130

NFPA: 231

WHMIS(CANADA): D-2B, B-2

EPA HAZARDS: ACUTE, CHRONIC, FLAMMBLE

D.O.T.: CONSUMER COMMODITY ORM-D

BILL OF LADING:

U.P.S.:

***** SECTION 2 - HAZARDOUS INGREDIENTS *****

INGREDIENT	C.A.S.#	OSHA PEL	ACGIH TLV	SUPERFUND RQ	2
XYLENE	1330-20-7	100ppm	100ppm	1000 lbs.	15
PETROLEUM DISTILLATES	64742-89-8	500ppm	300ppm	N.A.	N.A.
MINERAL SPIRITS	64742-88-7	500ppm	N.D.	N.A.	N.A.
TOLUENE	108-88-3	100ppm	100ppm	1000 lbs.	02

***** SECTION 3 - PHYSICAL / CHEMICAL CHARACTERISTICS *****

BOILING POINT: 201-310 F.

SPECIFIC GRAVITY(H₂O=1): 1.0-1.2

VAPOR PRESSURE(mmHg): 100

MELTING POINT: N.A.

VAPOR DENSITY(AIR=1): 1

EVAP. RATE(butyl acetate=1): APPROX. 1

SOLUBILITY IN WATER: NIL

APPEARANCE: PAINT

ODOR: PAINT LIKE ODOR

***** SECTION 4 - FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT (method used): 15 F TCC FLAMMABLE LIMITS - LEL: 0.9% UEL: 7.1%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, DRY CHEMICAL, WATER FOG, CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE, WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES PREFERRED. WEAR GOGGLES AND SELF CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: ISOLATE FROM HEAT, SPARKS, OPEN FLAME. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY APPARENT. OBTAIN MEDICAL ATTENTION.

***** SECTION 5 - REACTIVITY DATA *****

STABILITY: STABLE

CONDITIONS TO AVOID: APPLICATION TO HOT SURFACES.

INCOMPATIBILITY (MATERIALS TO AVOID): N.D.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND OTHER TOXIC FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: N.A.

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USEPA SF



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***** SECTION 6 - HEALTH HAZARD DATA *****

ROUTES OF ENTRY: INHALATION? YES SKIN? NO INGESTION? YES
HEALTH HAZARDS: EYES: LIQUID OR VAPOR CAN IRRITATE.
SKIN: MAY DRY SKIN OR CAUSE IRRITATION.
INHALATION: IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED COORDINATION.
INGESTION: IF SWALLOWED DO NOT INDUCE VOMITING, POSSIBLE LIVER AND KIDNEY DAMAGE.
CARCINOGENICITY: NTP? NO IARC? NO OSHA? NO
SIGNS AND SYMPTOMS OF EXPOSURE: SEE 'HEALTH HAZARDS' ABOVE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: ACUTE CHRONIC LIVER AND KIDNEY DISEASE, ANEMIA.
EMERGENCY AND FIRST AID PROCEDURES: SKIN: WIPE OFF, WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPES.
EYES: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR, ADMINISTER OXYGEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION.
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

***** SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE *****

RELEASE AND SPILL PROCEDURES: CLEAN UP WITH ABSORBENT MATERIAL AND PLACE IN COVERED WASTE CONTAINER.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
HANDLING AND STORAGE PRECAUTIONS: STORE IN COOL, DRY, VENTILATED AREAS, AWAY FROM EXCESSIVE HEAT.
OTHER PRECAUTIONS: N.A.

***** SECTION 8 - CONTROL MEASURES *****

RESPIRATORY PROTECTION: ORGANIC VAPOR FILTER OR FRESH AIR SUPPLY IN ENCLOSED AREAS.
VENTILATION LOCAL EXHAUST: RECOMMENDED SPECIAL: N.A.
MECHANICAL(GENERAL): YES OTHER: N.A.
PROTECTIVE GLOVES: SOLVENT RESISTANT GLOVES FOR PROLONGED CONTACT.
EYE PROTECTION: SAFETY GLASSES OR GOGGLES.
OTHER PROTECTIVE EQUIPMENT: EYE WASH EQUIPMENT RECOMMENDED.
WORK/HYGENIC PRACTICES: WASH THOROUGHLY AFTER USE AND BEFORE EATING OR SMOKING

N.A. = NOT APPLICABLE

N.D. = NOT DETERMINED

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MSDS# A011 PRODUCT: VALVE ACTION PAINT MARKER -ALL COLORS